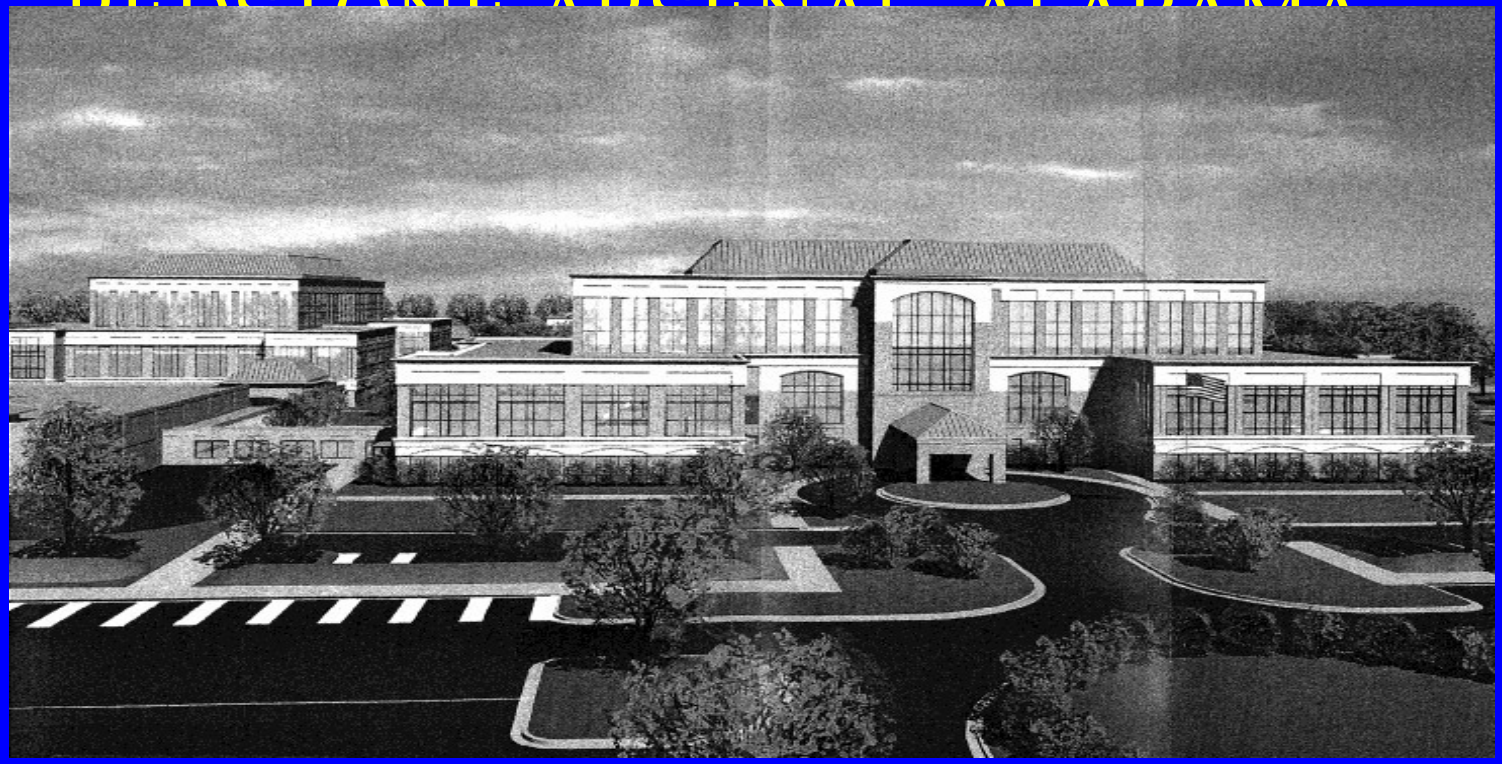
3rd Quarter 2003
CONUS - LARGE

DESIGN / BUILD
VON BRAUN COMPLEX – PHASE I
REDSTONE ARSENAL – ALABAMA



Architect’s Conceptual Drawing

PROJECT DESCRIPTION

- Site
  - 40+ acres
  - Extensive u/g utilities
  - Parking for 800+ vehicles
- Administration Building
  - 5-story / 200,000 sf
  - Structural Steel Frame
  - Arch Precast & Aluminum Curtainwall Skin
  - Modified Bitumen + Standing Seam Metal Roofing Systems
- Central Energy Plant
  - 20,000 sf

STATISTICS

- Contract Value: ~ $33MM
- NTP: 19 Sep 01 Construction Start: 12 Mar 02 Contract Completion: 22 Nov 03
- **787** days elapsed (a/o 11/14/03)
- **397,000 +** mh (~250 personnel @ peak)
- **ZERO** lost time accidents
- **7** OSHA Recordables (1 spider bite; 1 foreign matter in eye; 3 cut hand/finger; 2 back injury)

COMPLEXITY & HAZARDS

- Site Work
- Underground Utilities
- Slab-on-Grade
- Structural Steel
- Elevated Slabs
- Architectural Precast
- Aluminum Curtainwall
- Roofing
- MEP Rough-in
- Finishes

COMPLEXITY of HAZARDS

Site Work
(APAC Alabama)

COMPLEXITY of HAZARDS

Underground Utilities
(APAC/Stanley Jones/Wells & Tate)

COMPLEXITY of HAZARDS

Structural Concrete
(Garner Contracting)

COMPLEXITY of HAZARDS

Structural Steel
(C.P. Buckner)

COMPLEXITY of HAZARDS

Architectural Precast
(Gate Bluegrass)

COMPLEXITY of HAZARDS

Roofing
(Crown Energy)

COMPLEXITY of HAZARDS

Ductwork
(Stanley Jones)

COMPLEXITY of HAZARDS

Metal Studs
(Wayne's Accoustical & Drywall)

COMPLEXITY of HAZARDS

CW Pumps
(Stanley Jones)

ADVANCED PLANNING

- Activity Hazard Analysis
- Safety Audits = Daily + Weekly + Monthly
- Trend Tracker

MANAGEMENT INVOLVEMENT

- Full-time Safety Coordinator
- 30-hr OSHA Course
- Safety Committee
- Monthly Site Safety Celebration
- “Shoot the Rocket”

MANAGEMENT INVOLVEMENT

Monthly Site Safety Celebration

MANAGEMENT INVOLVEMENT

J & D Electrical

Subcontractor & Individual Safety Award Winners

Wilbur Mann

EMPLOYEE INVOLVEMENT

- Employee Orientation
- Weekly Toolbox Safety Talks
- “I’m Safe” Program
- On-the-Spot Awards
- Suggestion Box

EMPLOYEE INVOLVEMENT

"I'm Safe" Program

INCENTIVE PROGRAMS

- TEAM EXCELLENCE
  - Subcontractors, Vendors and Individuals
  - Monthly Awards
- PRIZES
  - Monthly Site Safety Meeting
  - “On-the-Spot” Awards
  - “I’m Safe” Program

RESULTS

Entrance

RESULTS

Parking for 800+ Vehicles

RESULTS

Main Lobby

RESULTS

Administration Building